

ABSTRACT

A receiver and its adjustment system and method that can reduce the effort and the cost required to give good characteristics. The receiver comprises a quadrature detector whose characteristics value is varied by adjusting the capacitance. The quadrature detector comprises a variable capacitance circuit 182 formed on a semiconductor substrate and an LC parallel resonance circuit 20 comprising an inductor 120 and a capacitor 122 formed outside the semiconductor substrate. The characteristic value of the quadrature detector is adjusted by varying the capacitance of the variable capacitance circuit 182.